



## 7.0 Environmental Impact

Reducing the amount of energy required for the operation of the CVHS facilities results in a positive environmental impact. Table 9 shows the impact for the project to date:

**Table 9: Environmental Impact<sup>1</sup>**

Type of Pollutant	Reduction Project to Date	Unit
Greenhouse Gases (CO <sub>2</sub> )	61,863,263	Lbs
Methane (CH <sub>4</sub> )	2,808	Lbs
Nitrogen Oxides (NO <sub>x</sub> )	94,790	Lbs
Nitrous Oxide (N <sub>2</sub> O)	803	Lbs
Sulphur Dioxide (SO <sub>2</sub> )	100,414	Lbs
Toxic Metals Pollutants - Mercury (Hg)	407,242	Mg

In layperson's terms<sup>2</sup>, these reductions are equivalent to:

- The energy produced by burning 85,658 trees -OR-
- 5,635 fewer cars on Stillwater roads (mid-size sedan driving 11,300 mi/yr), equal to 2,868,406 gallons of gasoline consumed -OR-
- The energy consumed by 1,269 single family homes (30,000 kWh/yr)

<sup>1</sup> Reference: <http://www.cleanerandgreener.org/resources/pollutioncalculator.html>  
*Cleaner and Greener - A Program of Leonardo Academy Inc.*

<sup>2</sup> Reference: <http://www.americanforests.org/resources/ccl/>  
*American Forests – Climate Change Calculator*

## Thank You

We value your business. It has been and will remain our privilege to work in partnership with Oklahoma State University Center for Veterinary Health Sciences. We look forward to a long and mutually beneficial relationship.